Certificate of Analysis / Conformance

ExxonMobil

Port Allen Aviation Plant
2230 Hwy. 1 North, Port Allen, LA 70767
Date (mm/dd/yyyy): 02/14/2025

124434

Product: MOBIL JET OIL II

Batch Number	70516904	Quantity / Package	Batch
Order Key	70516904	Manufacture Date (mm/dd/yyyy)	02/05/2025
Export# / P.O.#		Destination	
Yardmark		Reference #	
CMCS Code/ Prod#	201550101020	T/C or T/T	

Test Description	Method	Test Result
Kinematic Viscosity @ -40 C, mm2/s	ASTM D445	10730
Kinematic Viscosity @ 40 C, mm2/s	ASTM D445	25.40
Kinematic Viscosity @ 100 C, mm2/s	ASTM D445	5.02
Flash Point, Cleveland Open Cup, C	ASTM D92	262
Pour Point, C	ASTM D5950	-63
Total Acid Number, mgKOH/g	ARP 5088	0.02
Evaporation Loss, 6.5 h, 204 C, mass%	ASTM D972(mod)	5.3
Foam, Sequence I, Tendency, ml	ASTM D892	15
Foam, Sequence I, Stability, ml	ASTM D892	0
Foam, Sequence II, Tendency, ml	ASTM D892	15
Foam, Sequence II, Stability, ml	ASTM D892	0
Foam, Sequence III, Tendency, ml	ASTM D892	10
Foam, Sequence III, Stability, ml	ASTM D892	0
Therm Stab,Visc 40C Change, Run 1, %change	FTMS 791-3411	0.59
Therm Stab,Visc 40C Change,Run 2, %change	FTMS 791-3411	0.31
Therm Stab,TAN Increase,Run 1, mgKOH/g	FTMS 791-3411	2.0
Therm Stab,TAN Increase,Run 2, mgKOH/g	FTMS 791-3411	2.0
Therm Stab, Metal Wt Change,Run 1, mg/cm2	FTMS 791-3411	0.2
Therm Stab, Metal Wt Change,Run 2, mg/cm2	FTMS 791-3411	0.2
Acid Assay	FTMS 791-3500	Conforms*
Sediment 1.2 micron filter, mg/l	FTMS 791-3010	0.5

***Result reported by Lab External to ExxonMobil**

This material meets the ExxonMobil Sales specification established for this product and has been produced in a facility compling with the requirements of the ISO 9001 certified Global Product Interity Management System (GPIMS). Test conducted according to Standard Test Methods, except to the extent variations are required by MIL-PRF-23699G or AS SAE 5780, and are routinely verified to be in compliance with the latest published versions. Additionally, minor changes may be made where they have no material impact to test results and are necessitated by reasons such as safety, environmental standards and method effectiveness.
This document is electronically generated and does not require a physical signature to be valid.

Direct Inquiries to:
Steven Leonard, Technical Supervisor, Port Allen Aviation Plant
Tel: (985) 348-2243, Fax (225) 540-4883

Shelf life is 10 years in quarts and gallons, 5 years in pails and drums, 24 months in totes.

US Military approved against and conforms to MIL-PRF-23699G STD; SAE AS5780/SPC

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Test Description	Method	Test Result
Sediment, Visual Undissolved Water	FTMS 791-3010	PASS
O&C Vis Change @ 40C (72 Hrs @ 204C) R1, %	ASTM D4636-PRO2	21.5
O&C Vis Change @ 40C (72 Hrs @ 204C) R2, %	ASTM D4636-PRO2	21.8
O&C, TAN Increase (72 hrs @ 204C),Run1, mgKOH/g	ASTM D4636-PRO2	1.30
O&C, TAN Increase (72 hrs @ 204C),Run2, mgKOH/g	ASTM D4636-PRO2	1.42
O&C steel wt change (72 hrs @ 204C) R1, mg/cm2	ASTM D4636-PRO2	0.0
O&C steel wt change (72 hrs @ 204C) R2, mg/cm2	ASTM D4636-PRO2	0.0
O&C silver wt change (72 hrs @ 204C) R1, mg/cm2	ASTM D4636-PRO2	0.0
O&C silver wt change (72 hrs @ 204C) R2, mg/cm2	ASTM D4636-PRO2	0.0
O&C, Al wt change (72 hrs @ 204C),Run1, mg/cm2	ASTM D4636-PRO2	0.0
O&C, Al wt change (72 hrs @ 204C),Run2, mg/cm2	ASTM D4636-PRO2	0.0
O&C, Mg wt change (72 hrs @ 204C),Run1, mg/cm2	ASTM D4636-PRO2	0.0
O&C, Mg wt change (72 hrs @ 204C),Run2, mg/cm2	ASTM D4636-PRO2	0.0
O&C, Cu wt change (72 hrs @ 204C),Run1, mg/cm2	ASTM D4636-PRO2	-0.1
O&C, Cu wt change (72 hrs @ 204C),Run2, mg/cm2	ASTM D4636-PRO2	-0.1
O&C, sludge Content (72 hrs @ 204C),Run1, mg/100 ml	ASTM D4636-PRO2	14
O&C, sludge Content (72 hrs @ 204C),Run2, mg/100 ml	ASTM D4636-PRO2	16
Aluminum, mg/kg	ASTM D5185	0
Boron, mg/kg	ASTM D5185	0
Chromium, mg/kg	ASTM D5185	0
Copper, mg/kg	ASTM D5185	0

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Test Description	Method	Test Result
Iron, mg/kg	ASTM D5185	0
Lead, mg/kg	ASTM D5185	0
Magnesium, mg/kg	ASTM D5185	0
Molybdenum, mg/kg	ASTM D5185	0
Nickel, mg/kg	ASTM D5185	0
Silicon, mg/kg	ASTM D5185	2
Silver, mg/kg	ASTM D5185	0
Tin, mg/kg	ASTM D5185	0
Titanium, mg/kg	ASTM D5185	0
Zinc, mg/kg	ASTM D5185	1
Hot Liquid Process Simulator, 20 h, mg	SAE ARP5996	0.32*

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